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Destruction of Data in Memory in the Keithley Model 2100

The Keithley Model 2100 contains memory devices to hold firmware code that is executed by internal microprocessors to operate the product and memory to save setup information and data. The following sections describe how the data stored in the memory devices may be cleared or destroyed.

Description of memory devices and their use:

Flash (non-volatile): 512Kbytes.
Flash stores the operating program, user settings and calibration constants.

SRAM: 24KWords and DSP Internal SRAM: 40KWords.
SRAM and DSP internal SRAM store runtime data and the reading buffer

Procedure for clearing memory content:

1. Flash (non-volatile) operating program – Note: If the Model 2100 starts and operates properly when powered on, it is unlikely that the Flash operating program was compromised. Follow the instructions in the Model 2100 under "Firmware revision" and "Install updated firmware for the Model 2100" to overwrite this portion of the memory. Note: a trusted copy of the Model 2100 firmware must be kept secure and used to overwrite the operating program stored within the Model 2100 Flash memory.

2. Flash (non-volatile) user settings – Press MENU and use PREV or NEXT to select SYSTEM sub-menu, press ENTER and use PREV or NEXT to select INIT MODE, press ENTER and use PREV or NEXT to select DEFAULT, press ENTER. Turn unit off for 1 minute.

3. Flash (non-volatile) Calibration constants – Re-calibrate the unit following the directions in the Model 2100 calibration manual. Note: it is unlikely that classified information is contained in calibration constants.

4. SRAM & DSP internal SRAM – Turn unit off for one minute.

If you have any further questions or comments, please feel free to contact my office at anytime.

Regards,

W. Pelster

William Pelster
Director of Quality